# **Alexander Cohen**

## **Full Stack Web Developer**

Extensive experience creating, testing, and maintaining web applications. Passionate towards software architecture and design with a particular inclination to providing high quality solutions to businesses.















# **III** Adaptive

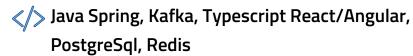
**Full Stack Developer** 



Dec 2021 - Present



Montreal, QC



- Worked as a backend developer assisting in creating microservice-oriented backend applications for clients in the cryptocurrency, investment, and banking sectors.
- Transitioned over to frontend development to assist in the needs of clients, working on complex UI systems involving multiple monitors.
- Assisting DevOps team members in project setup and building CI/CD pipeline integration with VCS.
- Collaborated in deploying containerized applications using AWS ECS/EKS.
- Achieved the high throughput needed for trading applications using a reactive programming approach.
- Assisted in the migration of old monolithic legacy applications to lightweight microservice systems to improve throughput and scalability as well as maintainability of old codebases.
- Project development using an agile approach, bi-weekly sprints, attending daily standups, meeting deadlines, and showcasing features and their value to clients.

# TECHNICAL SKILLS

#### LANGUAGES





Java



TS Typescript



Python

## **FRAMEWORKS**

#### **Frontend**



Angular Angular

#### **Backend**



Spring Boot



NodeJS

#### **DATABASES**



**Postgres** 



MongoDB



Redis

#### **TECHNOLOGIES**



Docker





**Kubernetes** 



**Bash** 



#### **Full Stack Developer**



Sept 2019 - Nov 2021



Typescript NodeJS, React, Python, RabbitMQ, MongoDB, Redis

- Collaborated with clients across several domains in the fields of pharmaceuticals and medicine as a part of an independent consulting team.
- Developed/maintained large real-time pharmaceutical web applications achieving high throughput using an eventdriven microservices architecture.
- Developed frontend applications using React/NextJs framework while managing state using Redux.
- Transferred legacy systems into modern frameworks providing significant improvements in scalability/performance
- Furthermore reduced infrastructure costs by deploying applications from traditional mainframes to flexible cloudbased applications.
- Re-designed traditional monolith systems into a more scalable, performant microservice architecture.

# **PROJECTS**



### MonoLink Music Project - Team Project



**Github Repo** 



Typescript React, NodeJS, MongoDB

- Coordinated with team members to develop a front-end system
- for an enhanced user experience.
- Set up user authentication (Sign In/ Sign Up) system.
- Migrated password database to Firebase for enhanced security, as well as to simplify ease of use for data management.

#### **PARADIGMS**



**REST** 



**Event Sourcing** 



Microservices



CI/CD

# SOFT SKILLS



**X** Bilingual Eng/Fr



**Excellent Team Player** 



**Creative Problem** Solver



**Time Management** 





**Concordia University BSc. Computer Science** 

Class of 2020

Awardee, School Bursary

- Set up routes for authentication, searching, filtering, etc.
- Extracted information from the provided URL to search the respective APIs.
- Worked alongside team members to develop front-end system.



## Ecommerce Platform - Team Lead of 12







### Typescript React, NodeJS, MongoDB

- Coordinated with team members to plan, develop, test and present the platform.
- Established development teams and assigned members to individual teams based on aptitudes/skills and personalities.
- Provided structure to the development process using Agile workflow.
- Spearheaded weekly meetings with teams to monitor progress, as well as help resolve any issues during the development process.
- Assisted members in facing challenges during development by coordinating work tasks for each team
- managing conflicting workflows, and providing solutions to any technical problems.
- Ensuring deadlines for project goals are met in a timely matter on an individual basis.
- Monitoring team member progress to assist in meeting project goals.
- Implemented project monitoring using Trello work process.